IN THE UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

IN RE:

APPLICANT; WILLIAM M. HAMMESFAHR

S.N.: 09/841,546

GROUP ART UNIT: 3768

FILED: 04/23/2001

EXAMINER: FRANCIS JAWORSKI

FOR: A TITRATION SYSTEM FOR TREATING

CEREBRAL VASOSPASMS

ATTY DOC NO. 2087.1

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

APPLICANT'S BRIEF ON APPEAL

Real Party in Interest is:

Dr. William M. Hammesfahr Hammesfahr Neurological Institute 600 Druid Road East Clearwater, FL 33736

II. Related Appeals and Interferences

There are no related appeals or interferences.

III. STATUS OF CLAIMS

There are seven (7) pending claims in the subject application numbered 38-44 under final rejection. Claims 1-37 were cancelled during prosecution. All seven (7) pending claims numbered 38-44 are the subject of the appeal herein.

LARSON & LARSON, ATTORNEYS AT LAW

11199-69th STREET N. LARGO, FL 33773-5504 PH. 727-546-0660 FAX 727-545-1595 adding the feature that the dosage device comprises a means for delivering a vasodilator selected from the group comprising Nitroglycerin in pill, patch, ointment, cream, inhaler, spray and other forms (page 3, lines 28-95; page 5, lines 2-4). The Nitroglycerin equivalents and substitutes, comprising p.o. clonidine, isradipine, hydrazine, nifedipine and/or other medicines (page 5, lines 5-6) selected from the empirical group of medications which have the common characteristics of causing smooth muscle relaxation and/or which systematically reduce pulmonary capillary wedge pressure and combinations of the foregoing (page 7, lines 11-15).

The invention of Claim 41, incorporating all of the limitations of Claim 38, adding the feature of a low measuring device comprising transcranial Doppler measuring means (page 3, lines 2-4) and the dosage device comprises transdermal, inhaler, spray and other forms of vasodilators selected from the group consisting of Nitroglycerine equivalents and substitutes, p.o. clonodine, isradipine, hydrazine, nifedipine and/or other medicines selected from the empirical group of medications which have the common characteristics of causing smooth muscle relaxation and which systematically reduce pulmonary capillary wedge pressure and combinations of the foregoing (page 5, lines 5-6 and page 7, lines 11-15).

The invention of Claim 42, incorporating all of the limitations of Claim 41, adding the feature that the delivery device comprises means for delivering a vasodilator selected from the group comprising Nitroglycerin in pill, patch, ointment or cream form (page 5, lines 2-4).

The invention of Claim 43, incorporating all of the limitations of Claim 46 [sic 41] adds the feature that the delivery system is adapted for transdermal delivery

(page 8, line 24).

The invention of Claim 44, incorporating all of the limitations of Claim 38, adds the feature that the delivery system is adapted for the adjustment of the dosage device over time within the range of about 0.02 to 20 milligrams per day (Nitroglycerin equivalent) of vasodilator (page 7, lines 21-23).

VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

- (1) Whether Claims 38-44 are indefinite within the meaning of 35 U.S.C. § 112, second paragraph.
- (2) Whether Claims 38-44 are obvious within the meaning of 35 U.S.C. § 103(a) over Shaw et al. (U.S. Patent 4,650,484) in view of Stanley et al. (U.S. Patent 4,885,173, Fung et al. (U.S. Patent 5,278,192 and Ragauskas et al. (U.S. Patent 5,388,583).

Since Claims 39-44 are dependent from independent Claim 38; if Claim 38 is allowable then all seven Claims 38-44 are allowable. Since Claims 42 and 43 are dependent on Claim 41; if Claim 41 is allowable, then all three Claims 41-43 are allowable.

As stated above, Claim 38 is independent and Claim 39 is dependent on Claim 1. However, Claim 39 stands alone and would be patentable, as discussed in Arguments set forth below, even if Claim 38 is found unpatentable. Claim 40 is dependent on Claim 38. However, Claim 40 also stands alone and would be patentable, as discussed in the Arguments set forth below, even if Claim 38 is found unpatentable. Claim 41 is dependent on Claim 38. However, Claim 41 stands alone and would be patentable, as discussed in the Arguments set forth below, even if

Claim 38 is found unpatentable. Claim 42 is dependent on Claim 41. However, Claim 42 also stands alone and would be patentable, as discussed in Arguments set forth below, even if Claim 41 is found unpatentable. Claim 43 is dependent on Claim 41. However, Claim 43 stands alone and would be patentable, as discussed in the Arguments set forth below, even if Claim 41 is found unpatentable. Claim 44 is dependent on Claim 38. However, Claim 44 also stands alone and would be patentable, as discussed in the Arguments set forth below, even if Claim 38 is found unpatentable.

VII. ARGUMENT

(i) Claims 38-44 are definite within the meaning of 35 U.S.C. § 112, second paragraph.

The Examiner has rejected Claims 38-44 under 35 U.S.C. § 112, second paragraph, as being indefinite. All of Claims 38-44 are directed to a titration system for diagnosing and treating a disease. One element in the system is a flow measuring device to test for cerebral vasospasms. A second is a dosage device which administers a vasospasm reducing dosage. The dosage device is adjustable over time to titrate the dosage in response to testing to increase, decrease or substitute another medicine. The Examiner is correct that a decision has to be made by a practitioner as whether to increase, decrease or substitute another medicine. The fact is that the system provides for the capability for the practitioner to make that decision. Applicant is not claiming the input of a specific practitioner, but is claiming a system which is adapted to receive such input. As such it is not believed that Claims 38-44 are indefinite.

(ii) Claims 38-44 are not obvious in view of the cited prior art

The Examiner further rejected Claims 38-44 under 35 U.S.C. § 103. This rejection includes four references Shaw et al., Stanley et al., Fung et al. and Ragauskas et al. Shaw et al. describes a method for treating ischemic conditions by administering a vasodilator to a patient continuously without intermediate testing at a rate of from 10 micrograms to 400 micrograms per hour. There is no suggestion that the dosage is adjusted over time to titrate the dosage to minimize severity of a vasospasm.

Stanley et al. describes a sustained lollipop delivery vehicle for cardiovascular or renal vascular activities. Stanley et al. is not directed to cerebral vasospasms and does not suggest that the dosage can be adjustable over time in response to titration testing.

Fung et al. is directed to a treatment for congestive heart failure and is not concerned with cerebral vasospasms. Furthermore, Fung et al. only increases dosages until angina is effectively controlled. There is no suggestion that dosages are adjusted to minimize occurrence and severity of a vasospasm.

Ragauskas et al. suggests the possibility of evaluating cerebral vasospasm using ultrasonic pulses within the intracranial medium.

Taking Shaw et al, Stanley et al., Fung et al. and Ragauskas et al. together and considering them as a whole, they describe treating ischemic conditions by administering a vasodilator over sustained periods of time with increasing dosage and evaluating cerebral vasospasms with ultrasonic pulses. In contrast, applicant's invention of independent Claim 38 is directed to a titration system for treating a

disease caused by insufficient cerebral profusion; the system employing: (1) a flow measuring device to test for cerebral vasospasms, (2) a dosage device which administers a vasospasm reducing dosage of a particular medicine and (3) the dosage device being adjustable over time to titrate the dosage either upwards or downwards or substitute another medicine to minimize severity of the vasospasm. Applicant's treatment relies on the adjustable dosage based on titration of the dosage and changes made as necessary. The prior art in combination does not describe such an invention.

In addition, it is noted that the Examiner has picked and chosen portions of four references in order to attempt to support an argument that applicant's Claim 38 is obvious. In fact the four references as a whole do not teach applicant's titration system. Nevertheless, the Court of Appeals for the Federal Circuit has stated, "it is impossible to use the claimed invention as an instruction manual or template to piece together the teaching of the prior art so that the claimed invention is rendered obvious. This Court has previously stated that one cannot use hind sight reconstruction to pick and chose among isolated disclosures in a prior art to deprecate the claimed invention." See In re Fritch 23 USPQ 2nd 1780, 1784 (Fed. Cir. 1992). See also, Ruiz v A.B. Chance Co. 69 USPQ 2nd 1686 (Fed. Cir. 2004).

Of the references cited, only Shaw et al. and Ragauskas et al. even relate to vasospasms. These references together do not teach applicant's invention of Claim 38. The other references are not even concerned with cerebral vasospasms and should not be used in an obviousness rejection.

Taking all four references cited together as a whole and considering them as

a whole they do not teach applicant's invention of Claim 38 and do not make such claim obvious within the meaning of U.S.C. § 103(a). Therefore, the rejection of Claim 38 should be overruled.

With respect to Claim 39, the four references as a whole do not teach a titration system as set forth in Claim 38 wherein the flow measuring device is a transcranial Doppler measuring means.

With respect to Claim 40, the four references as a whole do not teach a titration system as set forth in Claim 38 wherein the dosage device is a means for delivering a vasodilator selected from the group of a nitroglycerin in pill, patch, ointment, cream, inhaler and spray form, clonidine, isradipine, hydrazine, nifedipine.

With respect to Claim 41, the four references as a whole do not teach a titration system as set forth in Claim 38 wherein the flow measuring device is a transcranial Doppler measuring means and the dosage device is a transdermal, inhaler, spray form of vasodilator selected from the group consisting nitroglycerin, clonidine, isradipine, hydrazine and nifedipine.

With respect to Claim 42, the four references as a whole do not teach a titration system as set forth in Claim 41 wherein the delivery device is a means for delivering a nitroglycerin vasodilator in pill, patch, ointment or cream form.

With respect to Claim 43, the four references as a whole do not teach a titration system as set forth in Claim 41 wherein the delivery system is adapted for transdermal delivery.

With respect to Claim 44, the four references as a whole do not teach a titration system as set forth in Claim 38 wherein the delivery system adjusts the

dosage device within the range of 0.02 to 20 milligrams per day of a vasodilator.

If follows that the rejection of Claims 39-44, like Claim 38, should be overruled.

CONCLUSION

- (1) The claims are definite for the purpose to which they are presented and therefore the rejection under 35 U.S.C. § 112 should be reversed.
- (2) The rejection of Claims 38-44 should be reversed because the four references taken as a whole fail to make the claims obvious within the meaning of 35 U.S.C. § 103(a).

Kindly deduct the \$250.00 Appeal Fee from Deposit Account No. 12-0551 in the name of Larson & Larson, P.A.

Respectfully submitted,

LARSON & LARSON, F

Herbert W. Larson Reg. No. 21,008

Attorney for Applicant

HWL/mll

VIII. CLAIMS APPENDIX

- 38. A titration system for diagnosing and treating a disease caused at least partially by insufficient cerebral perfusion, comprising in combination: a flow measuring device to test for cerebral vasospasm, a dosage device which administers a vasospasm-reducing dosage of a medicine selected from the empirical group of medications which have the common characteristic of causing smooth muscle relaxation and/or which reduce pulmonary capillary wedge pressure, and said dosage device being adjustable over time to titrate said dosage in response to said testing to increase, decrease or substitute another medicine to minimize occurrence and severity of said vasospam.
- 39. A system according to Claim 38 wherein the flow measuring device comprises transcranial Doppler measuring means.
- 40. A system according to Claim 38 wherein the dosage device comprises means for delivering a vasodilator selected from the group comprising Nitroglycerin in pill, patch, ointment, cream, inhaler, spray and other forms, Nitroglycerin equivalents and substitutes, comprising p.o. clonidine, israpidine, hydrazine, nifedipine, and/or other medicines selected from the empirical group of medications which have the common characteristic of causing smooth muscle relaxation and/or which systemically reduce pulmonary capillary wedge pressure, and combinations of the foregoing.
- 41. A system according to Claim 38 wherein the flow measuring device comprises transcranial Doppler measuring means and the dosage device comprises transdermal, inhaler, spray and other forms of vasodilator selected from the group consisting of Nitroglycerin, Nitroglycerin equivalents and substitutes, p.o. clonidine,

isradipine, hydrazine, nifedipine, and/or medicines selected from the empirical group of medications which have the common characteristic of causing smooth muscle relaxation and/or which systemically reduce pulmonary capillary wedge pressure, and combinations of the foregoing.

- 42. A system according to Claim 41 wherein the delivery device comprises means for delivering a vasodilator selected from the group comprising Nitroglycerin in pill, patch, ointment or cream form.
- 43. A system according to Claim 46 wherein the delivery system is adapted for transdermal delivery.
- 44. A system according to Claim 38 wherein the delivery system is adapted for the adjusting of the dosage device over time within the range of about 0.02 to 20 milligrams per day (Nitroglycerin equivalent) of vasodilator.

IX. EVIDENCE APPENDIX

<u>Patent</u>	<u>Page</u>
Shaw et al., U.S. Patent 4,650,484	5, 6
Stanley et al., U.S. Patent 4,885,173	5, 6
Fung et al., U.S. Patent 5,278,192	5, 6
Ragauskas et al., U.S. Patent 5,388,583	6
In re Fritch 23 USPQ 2 nd 1780, 1784 (Fed. Cir. 1992)	7
Ruiz v A.B. Chance Co. 69 USPQ 2 nd 1686 (Fed. Ciro., 2004)7	

X. RELATED PROCEEDINGS APPENDIX

There are no related decisions rendered by a Court or the Board to the Claims at issue in this proceeding.

23 USP02d

In re Fritch

Court of Appeals, Federal Circuit

In re Fritch

No. 91-1318

Decided August 11, 1992

AND PRACTICE OCEDURE

Procedure — Judicial review — Standard of review - Patents (§410.4607.09)

bviousness determination is based on uninquiries concerning med invention and prior art, which are te conclusion of obviousness is reviewed ewed for clear error on appeal, but ultifactual natter of law.

TENTS

Patent construction — Claims — Broad or narrow (§125.1303)

ce patent's express teaching that trench is sessary to install device in harder ground uld inhibit longitudinal flexibility, and Prior art patent for grass edging and tering device cannot be held to teach that ice is flexible and conformable to ground ts entirety; since base portion of device udes prominent anchoring leg which ws that it is not freely conformable

Relevant prior art - Particular inven-Patentability/Validity — Obviousness tions (§115.0903.03)

Patentability/Validity - Obviousness Combining references (§115.0905)

Claims for landscape edging device are prima facie obvious in view of combined chings of two prior patents, since primary ice, and since secondary reference does merely by virtue of flexibility of device cribed therein, suggest extensive modifi-ions which would bring primary reference l landscape retention function of claimed erence does not suggest overall flexibility o conformity with application claims.

Patentability/Validity - Obviousness -Combining references (§115.0905)

Mere fact that prior art may be modified effect features of claimed invention does make modification, and hence claimed ention, obvious unless desirability of such diffication is suggested by prior art; med invention cannot be used as instrucn manual or "template" to piece together chings of prior art so that claimed invenis rendered obvious.

Appeal from the U.S. Patent and Trade nark Office; Board of Patent Appeals and Interferences.

ial no. 06/838,721, landscape apparatus and Patent application of John R. Fritch (sermethod). From decision upholding rejection of application claims 1-7, 9-24, 29 and 30, applicant appeals. Reversed.

(John R. Fritch, Corpus Christi, Texas, on Charles L. Gholz, of Oblon; Spivak, McClelland, Maier∴& Neustadt, Arlington, Va. brief), for appellant.

Richard E. Schafer, of counsel), for lameson Lee, associate solicitor (Fred E McKelvey, solicitor, with him on brief appellee. Before Smith, senior circuit judge, and Plager and Rader, circuit judges.

Smith, J.

John R. Fritch (Fritch) appeals the 27 February 1991 decision of the Patent and Trademark Office Board of Patent Appeals ordinary skill in the art and was therefore unpatentable under 35 U.S.C. § 103. The Board, except for allowing claim 28, agreed. the Examiner's final rejection of the remain-ing claims in Fritch's application entitled and Interferences (Board) affirming-in-part Landscape Edging Apparatus and Method. The Examiner concluded that Fritch's invention would have been obvious to one of The Board's decision is reversed.

. Issue

drix rendered the subject matter of Fritch's independent claims 1, 13, 24, and 29 obvious to one of ordinary skill in the art. The issue is whether the Board erred in affirming the Examiner's determination that the prior art references of Wilson and Hen-

Background

In his final rejection, the Examiner rejected claims 1-24 and 27-30 of Fritch's application as unpatentable for obviousness under 35 U.S.C. § 103. Fritch appealed the final rejection to the Board. The Board affirmed entered a new ground of rejection for claim 27, and reversed as to claim 28. The Board agreed with the Examiner that the teachings the rejection as to claims 1-24, 29 and 30, of the Wilson and Hendrix patents rendered

in the art. Fritch does not appeal the Board's the subject matter of independent claims 1 13, 24, and 29 obvious to one of ordinary skill argument withdrew the appeal as to claim 8. disposition as to claims 27 and 28, and at oral The claims remaining in this appeal are 1-7,

The Fritch Invention

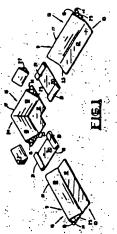
The invention claimed by Fritch involves a landscape edging device which includes a ing retainer portion. The base portion is planar base portion and an upwardly extendelongate, thin, flexible and has a planar bottom surface conformable to a varying slope ground surface. One longitudinal edge of the base portion serves as a mowing strip landscape fill. The upwardly extending refused) to the base portion and defines a longitudinally extending enclosed space. The Fritch invention is intended to be used as a and the other serves as a retaining flange for retainer for landscape fill in order to sepaa landscaping sheet to the ground, or to tainer portion is integrally connected (e.g. rate unmowable landscape fill from the mowable lawn. It may also be used to secure Independent claims 1 and 13 on appeal are function as guards at the base of a fence. Pal: A landscape edging strip formed in its representative of the subject matter claimed: entirety of a thin gauge, flexible material and conformable to a ground surface of varying slope, comprising a continuous elongate, thin gauge, flexible base portion having a planar bottom surface conformable to said varying slope ground surface; a thin gauge, elongate retainer portion ing upwardly therefrom and transversely integral with said base portion and extendthereover to overlie a portion of said base portion; all of said retainer portion defining a longitudinally extending enclosed space; said retainer portion being integrally connected to said base portion adjacent one longitudinal edge of said base portion to define a mowing strip adjacent the other longitudinal edge of said base

eal3. A landscape edging strip formed in its varying slope, comprising a continuous entirety from thin gauge, flexible material "elongate, thin gauge, flexible base portion and conformable to a ground surface of having a planar bottom surface conformestable to said varying slope ground surface.

The state of the Care

integral with said base port ion and extending upwardly therefrom and transversely thereover to overlie a portion of said base portion; all of said retainer portion defining a longitudinally extending enclosed space; said retainer portion being integrally connected to said base portion tudinal edges of said base portion, thereby defining a longitudinally extending retaining flange on one side of said retainer at a transverse location between the longiportion and a mowing strip on the other side of said retainer portion.

The critical language in Fritch's independent claims is that the device is to be, in its ground surface of varying slope". These limitations, although located in the claims' preambles, "are necessary to give meaning to the claim[s] and properly define the inven-tion." Figure 1 from Fritch's drawings is entirety, both flexible and "conformable to a reproduced below:

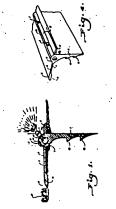


a. The Wilson Patent The Prior Art

The Wilson patent relied upon by the Examiner and the Board is entitled "Grass body portion. Opposite the mowing strip is a scored flange which may be broken off when not needed or wanted. Between the mowing bodiment of the Wilson device includes a substantially flat mowing strip extending horizontally from a longitudinally extending strip and the flange, and extending vertically from the body portion is an anchoring leg. Located above the anchoring leg is the body portion which contains a water conduit and sprinkler head assembly. The device is intended to be used adjacent to the borders of walks and plant beds. Figures 1 and 4 from Wilson's drawings are reproduced below: Edging and Watering Device"

Perkin Elmer Corp. v. Computervision Corp., 732 F.2d 888, 896, 221 USPO 669, 675 ² Perkin

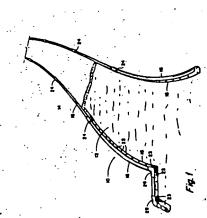
23 USPQ2d



b. The Hendrix Patent

hose not to discuss the Hendrix reference in solicitor overstates the Board's position. The 3oard based its decision upon "a collective valuation of the Wilson and Hendrix patsecause it did play a role in the rejection of The Hendrix patent is entitled "Loose Material Retainer Strip". The Solicitor is brief, stating that the Board had deemed fendrix unnecessary to its decision. The ints". We include Hendrix in our discussion ritch's independent claims.

levice is to be wider than the top lip in order to facilitate fastening the device to the ground. The device will fit most gentle conours, and the top lip will yield laterally to on the shoulders of asphalt or concrete high-ways. Figure I of Hendrix's drawings is The Hendrix device is composed of elongated, flexible strips, having substantially 2-shaped cross-section. The bottom lip of the ouild-up of gravel until the gravel can be trip is installed such that it faces the materiplates that the retainer will be used in retainng gravel in driveways, lining flower beds, or edistributed. The concave portion of the al to be retained in place. Hendrix contemeproduced below:



Standard of Review

are reviewed for clear error.6 However, it is [1] "[O]bviousness is a question of law to be determined from the facts." The obviying factual inquiries concerning the the ultimate conclusion of obviousness which he Federal Circuit reviews as a matter of ousness determination "is based upon underclaimed invention and the prior art" which law.

Teachings of Wilson

Fritch takes exception to the Examiner's the Wilson patent. The Examiner's rejection and the Board's opinion rely heavily on the use of Wilson in view of other references to declare the Fritch invention obvious. The Board states that it agrees with the Examinfindings of fact related to the teachings of er's finding of fact regarding the teachings of Wilson. In the Examiner's answer, which the Board quotes, the Wilson device is described as follows:

elongated flexible base portion including a Wilson discloses a landscaping edging strip comprising a relatively thin gauge, mower strip B having a planar bottom surface conformable to a varying slope surface.

presents "substantial evidence that Wilson is both thin and flexible." The Board regards the Wilson device as teaching that it is flexible and conformable in its entirety. This The Board states that the Wilson reference finding demonstrates clear error.

[2] It is well settled that a prior art reference is relevant for all that it teaches to those cludes a prominent anchoring leg to secure in the mower strip. Wilson states that its mower strip may be lifted in order to pack dirt thereunder for the purpose of securing of ordinary skill in the art. The base porion of Wilson is not planar in its entirety, as the Board's opinion suggests, but also inwould inhibit longitudinal flexibility of the Wilson device. Indeed, Wilson expressly contemplates flexibility and conformability only the device to the ground. Fritch, on the other the device to the ground. The anchoring leg, which runs the length of the Wilson device hand, is claimed to be flexible in its entirety

In re Kulling, 897 F.2d 1147, 1149, 14 USPQ2d 1056, 1057 (Fed. Cir. 1990). In re De Blauwe, 736 F.2d at 703, 222 USPQ at 195. ³ In re De Blauwe, 736 F.2d 699, 703, 222 USPQ 191, 195 (Fed. Cir. 1984). dukter AB, 892 F.2d 1547, 1551, 13 USPQ2d Σ. Instruments Inc. Beckman

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23 USPO2d

In re Fritch

The Board's holding that Wilson is flexible in its entirety is based upon a misapprehen-sion of the scope of Wilson's teachings.

Second, Wilson's anchoring leg prohibits conformability to the ground surface in the manner claimed by Fritch. The Examiner's bottom surface conformable to a varying it must be placed into the ground. Wilson slope surface" is applicable only in reference expressly teaches that the anchoring leg may description of Wilson as having a "planar to the mower strip. This description, however, ignores the anchor leg and the fact that be pushed into soft soils, but in harder terrain a trench is needed in order to place the Wilson sprinkler system. In order to install the Wilson apparatus, the ground surface must be altered to conform to the device rather than, as the Solicitor contends, that Wilson is freely conformable to the ground. Fritch, on the other hand, does not require such extensive alteration of the ground surface in order to install the device.

Prima Facie Obviousness

In proceedings before the Patent and Trademark Office, the Examiner bears the only by showing some objective teaching in the prior art or that knowledge generally available to one of ordinary skill in the art burden of establishing a prima facie case of "[The Examiner] can satisfy this burden obviousness based upon the prior art.9 would lead that individual to combine the relevant teachings of the references." 10 The erly made out, or the applicant may present objective evidence tending to support a conpatent applicant may then attack the Examiner's prima facie determination as impropclusion of nonobviousness.

Fritch has attacked the Board's finding that the Examiner established that Fritch's claimed invention was prima facie obvious in Board states that "a collective evaluation of the Wilson and the Hendrix patents would pendent claims 1, 13, 24, and 29 obvious to one of ordinary skill." Fritch maintains that view of the teachings of the prior art. The have rendered the subject matter of indethere is no teaching, suggestion, or incentive in the prior art to modify or to combine the

teachings of the prior art in the manner suggested by the Examiner. We agree.

to be dug in order to allow the anchoring leg of the soil requires it. This anchoring leg prohibits flexibility and conformability over [3] Wilson teaches a grass edging and watering device which includes an anchoring Wilson contemplates that attrench will need formability in Wilson, which the Board states extends to the entire device, is limited to the mower strip. It is only the mower strip that is mentioned as being flexible in order to its teaching of a flexible retainer strip that is to be placed into the ground if the condition the length of Wilson. Any flexibility or conaid installation. Hendrix has been cited for leg for securing the device to the ground able to conform to the ground surface.

ing plants without wetting sidewalks. Wilson lacks any suggestion or incentive to use its Wilson addresses the problems of arresting growth of grass between areas and waterwater conduit as a landscape retainer since this would arguably result in clogged sprin-kler heads. 12 Wilson also teaches that its mower strip is flexible in order to allow dirt to be packed thereunder. There is no suggesvirtue of its flexible nature, suggest these obvious. Neither Wilson nor Hendrix, alone or in combination, provide any incentive to combine the teachings of the prior art in the manner maintained by the Board. tion in Wilson to extend that flexibility to the entire device. Wilson also lacks any teaching or suggestion that one should remove the anchoring leg. Hendrix does not, simply by extensive changes which the Board states are

teaching or suggestion 103, teachings of re-nation. Under section 103, teachings of re-ferences can be combined only if there is combining the teachings of the prior art to produce the claimed invention, absent some [4] "Obviousness cannot be established by teaching or suggestion supporting the combi-Although couched in terms of combining teachings found in the prior art, the same inquiry must be carried out in the context of may be modified in the manner suggested by a purported obvious "modification" of the prior art. The mere fact that the prior art the Examiner does not make the modification obvious unless the prior art suggested some suggestion or incentive to do so.

art reference inoperable for its intended purpose.

In re Gordon, 733 F.2d 900, 902, 221 USPQ.

1125, 1127 (Fed. Cir. 1984).

1 ACS Hosp. Systems, Inc. v. Montefiore

Hosp. 732 F.24 1872 1877 211 CSPA. "This court has previously found a proposed modification inappropriate for an obviousness inquiry when the modification rendered the prior USPQ 785, 787-88 (Fed. Cir. 1984).
¹⁰ In re Fine, 837 F.2d 1071, 1074, 5 USPQ2d
-1396, 1598 (Fed. Cir. 1988) (citing In re Lalu,
747 F.2d 703, 705, 223 USPQ 1257, 1258 (Fed. In re Piasecki, 745 F.2d 1468, 1471-72, 223 Cir. 1988)).

Si. II n. re Heldt, 433 F.2d 808, 811, 167 USPO

chandise, or both, and whether it claims

merchandise.

whether its claim of likelihood of confusion is based upon its services or its collateral merpriority of use of its mark on its collateral

TRADEMARKS AND UNFAIR TRADE PRACTICES. for, or desirability of, the changes espoused and nendrik ian to suggest any motivation by the Examiner and endorsed by the Board,

Here, the Examiner relied upon hindsight to arrive at the determination of obviousness. that "[o]ne cannot use hindsight reconstruc-It is impermissible to use the claimed invento piece together the teachings of the prior art so that the claimed invention is rendered obvious.15 This court has previously stated tion to pick and choose among isolated disclosures in the prior art to deprecate the tion as an instruction manual or "template" claimed invention." 16

Conclusion

Examiner's rejection of independent claims 1, 13, 24, and 29 of Fritch's application as The decision of the Board affirming the unpatentable over the prior art under 35 U.S.C. § 103 is reversed. Since dependent claims are nonobvious if the independent claims from which they depend are nonobvious, the Board's affirmance of the rejection of dependent claims 2-7, 9-12, 14-23, and 30 is also reversed."

REVERSED

Trademark Trial and Appeal Board U.S. Patent and Trademark Office

CBS Inc. v. Mercandante

Nos. 85,324 and 85,330 Decided June 15, 1992 " In re Gordon, 733 F.2d at 902, 221 USPQ ¹³ In re Gorman, 933 F.2d 982, 987, 18 USPQ2d 1885, 1888 (Fed. Cir. 1991). See also Interconnect Planning Corp. v. Feil, 774 F.2d 1132, 1138, 227 USPQ 543, 547 (Fed. Cir.

" In re Fine, 837 F.2d at 1075, 5 USPQ2d at

1600 (citing Harness Int'l, Inc. v. Simplimatic Eng's Co., 819 F.2d 1100, 1108, 2 USPQ2d 1826, 1831 (Fed. Cir. 1987)). See also In re Sernaker, 702 F.2d 989, 991, 217 USPQ 1, 3 " In re Fine, 837 F.2d at 1076, 5 USPQ2d at ent claims stand or fall with the independent (Fed. Cir. 1983) (when argued together, dependclaims from which they depend).

1. Acquisition, assignment, and maintenance Frademark Öffice - Interpartes proceedings — Opposition and cancellation — In general (§325.0305.01) Practice and procedure in Patent and of marks - Acquisition through use -Infringement; conflicts between marks -Priority of use (§305.0503)

Opposer which uses mark "Rescue: 911" for its television show, which asserts that it has licensed use of mark on various merchan. Likelihood of confusion - In general dise items, and which seeks to oppose registration of "911 Rescue Bars," for candy bars, must clearly indicate in its pleading (§335.0301)

85,324 and 85,330, by CBS Inc. against James V. Mercandante and Rose Marie Consolidated trademark oppositions no. cations serial no. 74/076,762, filed July 9, 1990, and 74/081,873, filed July 25, 1990, in Mercandante, d/b/a 911 Rescue Bar, appl which applicants counterclaim to cancel of poser's pleaded registration. On oppose motion to amend its answer to counterclai and on applicant's motions to strike opp er's affirmative defenses, and for judgin on the pleadings. Motion for judgment pleadings granted in part.

David S. Fishman, Windsor, Connik applicants.

Marshall J. Nelson, Washington, D.C., opposer. Before Sams, Rice, and Quinn, membersit

By the board.

Mercandante filed applications to regist James V. Mercandante and Rose Mi

Ruiz v. A.B. Chance Co.

Ruiz v. A.B. Chance Co.

in the record. The district court denied AEF's If defendant believes that the plaintiffs should action in the Trademark Office because of the result in this case, then defendant needs to be prohibited from pursuing the Opposition the opposition, although EL's statement is not request and held that "[t]he issue of estoppel is before the Trademark tribunal not this court. make that argument to the Trademark Office.'

15 U.S.C. § 1119, which states that "[i]n any the cancelation of registrations, in whole or in wise rectify the register with respect to the registrations of any party to the action." AEF [3] AEF says that district courts are given ing the trademark registration process under action involving a registered mark the court part, restore canceled registrations, and other-279 F.2d 607, 609 [125 USPQ 607] (2d Cir. 1960), which involved a dispute over the plaintiff's use of the "Haymakers" mark and The Second Circuit affirmed the district may determine the right to registration, order cites Avon Shoe Co. v. David Crystal, Inc., the defendant's use of the "Haymaker" mark. clear statutory authority over actions regard-

court's order directing the PTO to dismiss the plaintiff's opposition and grant the concurrent registration of defendant's mark. Id. at 614-16. This case is factually distinguishable from sue are not the same. The issue in this case luted EL's "Eagles" mark; the case did not involve AEF's rights in the "American Eagles Records" mark. While the district court may was whether AEF's activities infringed or di-Avon Shoe, however, because the marks at is-

§ 1119 to order the PTO to take action, it did ing a mark that was not properly before it. See USPQ 496] (6th Cir. 1973) (directing the PTO dant with limitations); Durox Co. v. Duron Paint Mfg. Co., 320 F.2d 882, 883, 885-86 have had general authority under 15 U.S.C. Old Dutch Foods, Inc. v. Dan Dee Pretzel & Potato Chip Co., 477 F.2d 150, 157 [177 to issue a concurrent registration to the defennot have the authority to decide issues regard-

[138 USPQ 353] (4th Cir. 1963) (directing the PTO to issue a registration for the plaintiff's liffy Prods. Co., 240 F.2d 702, 704, 707 [112 USPO 241] (9th Cir. 1957) (directing the PTO to cancel the "Jiffy" mark for the plaintiff and award a registration for the same mark to the mark after the plaintiff properly raised the issue of validity in the complaint); Massa v.

district court because AEF raised the issue for the first time in its motion for reconsideration. AEF failed to raise the argument as a counterficient to the infringement action. Hence, again Further, the prospect of dismissal of the trict court, must determine the preclusive t narily enforced by awaiting a second action PTO opposition was not properly beforest cording to the procedural posture of the jet and by AEF's own admissions, its argum for dismissal is not based on the merits buy an estoppel theory. As the district court, rectly pointed out, estoppel issues are for party asserting estoppel. The PTO, not the which they are pleaded and proved by fect of EL's statements.

Even if the issue of estoppel was proper was reasonable and not an abuse of discreti before the district court, however, in ligi action in this case, the district court's deci failure to reach the merits of the under the PTO's expertise and the district

III. CONCLUSION

abuse its discretion by refusing to dismiss it pending trademark opposition. The district court adequately articulated: reasons for denying attorney's fees and cos applied the correct legal standard for "ex in its discretion denied AEF's request for tomey's fees. The district court also did lional" cases under 15 U.S.C. § 11-17(a)

Accordingly, the district court's decision AFFIRMED.

Ruiz v.A.B. Chance Co. '10 a pleat Ching

U.S. Court of Appeals water bent Federal Circuit . . . எத மழுத்த

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Elitera Control of the Control

No. 03-1333

Decided January 29, 2004 111 11 11 Me Trice

Eastern District of Missouri, Perry, J.

PATENTS

Mucin.

THE CONTRACT OF

[1] Patentability/Validity — Obviousnes — Combining references (§:115.0905

improper "hindsight" determination, buefin of express, written motivation to combined bine prior art references, without engagings Obviousness analysis requires court log ing of obviousness does not require exister sess invention as whole to determine when there was suggestion or motivation to

court granted summary judgment for defen-

inginventors to look to references relating to brior art; since motivation to combine may be ound in nature of problem to be solved, leadpossible solutions to that problem.

Patentability/Validity — Obviousness Combining references (§ 115.0905)

Patentability/Validity — Obviousness Presidential success (§ 115.0908)

bearing member, and since record supports method, and that it was widely known at time of prior art that underpinning system requires court's discounting of defendant's commercial exact same narrow problem of underpinning existing structural foundations, since there is push piers used in original metal bracket means of connecting foundation to loadprior art, since each cited reference addresses evidence that prior artisans' work showed that screw anchors worked better than straight with metal brackets used in prior art patents to geneve invention of patents for method of dations, even though there was no express ombine screw anchors of prior art method stabilizing or "underpinning" building founwritten motivation to combine references in Federal district court did not clearly err in concluding that it would have been obvious to uccess as evidence of nonobviousness.

vparticular patents - General and mechanical — Building stabilization

5,139,368, Hamilton, Hoyt, Halferty, and Odom, method of underpinning existing structures using screw anchors, judgment of invalidity affirmed.

5,171,107, Hamilton, Hoyt, Halferty, and Odom, method of underpinning existing structures using screw anchors, judgment of invalidity, affirmed.

and a transversely extending load-bearing tise in stabilizing slumping structures into the residential and commercial building markets Chance used screw anchors with a metabracket to underpin these building founda ing and rotates the screw anchor to bore be neath the footing. When resistance to rotatio of the screw anchor reaches a specified poin Chance attaches a metal bracket (designate as 30 in the Figure below) to the slouchin foundation to transfer the building load ont gated shafts with an earth-boring (screw) tip the screw anchor. The United States Pater and Trademark Office issued U.S. Patent No 5,139,368 and 5,171,107 to Chance in 195 for use in supporting and stabilizing electrical transmission towers. Screw anchors are elonmember. In 1988, Chance extended its experplaces the screw anchor adjacent to the foot covering this screw anchor system. Figure 5 tured screw anchors, also called helical piers, Since about 1970, Chance has manufacthe '107 patent shows the technology: tions. The Chance underpinning ging infringement of its patents. District go, for declaratory judgment that defendant's pagints are invalid and not infringed, and for quitable estoppel, and tortious interference discrimination pursuant to 42 U.S.C. § 1981, breach of implied duty of god faith and fair dealing, promissory and ith contract and prospective business relaions, in which defendant counterclaimed al-Appeal from the U.S. District Court for the Action by Richard Ruiz and Foundation Anchoring Systems Inc. against A.B. Chance

trict court again found claims invalid as obvimanded (57 USPQ2d 1161). On remand, disdant on nonpatent claims, and at trial found that patents were infringed, but that patent claims at issue were invalid for obviousness. Judgment of invalidity was vacated and reous, and defendant appealed. Affirmed.

Matthew A. Rosenberg, of Blumenfeld, Kaplan & Sandweiss, St. Louis, Mo., for Prior decision: 57 USPQ2d 1161.

plaintiffs-appellees.

John H. Quinn III and Andrew B. Mayfield, of Armstrong Teasdale, St. Louis, defendant-appellant.

Before Newman, Michel, and Rader, circuit

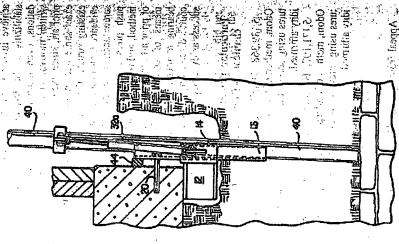
Rader, J.

On remand from this court's decision on remain from the Company, 234 F.3d of 157 USPQ2d 1161] (Fed. Cir. 2000), of 100 United States District Court for the East of 100 United States District Court for the 100 United States District Cour cerning the motivation to combine the prior § 103. Because the district court made no clear error in its factual determinations conart teachings and the merit of Chance's asserted secondary considerations, this court af-District of Missouri found defendant-appellent A.B. Chance Company's (Chance) patengol underpinning system obvious under 35 U. 🗷

"Ruiz") became distributors for Chance's underpinning system. During the early 1990s, Ruiz also formed various other anchoring companies and marketed systems Appellees Richard Ruiz and his company hat competed with the Chance system. In Foundation Anchoring Systems, Inc. (collectributorship. Thereafter, Ruiz began marketing an underpinning system with screw anchors good faith and fair dealing. Ruiz also filed for February 1997, Chance terminated Ruiz's disand metal brackets. This new system used components from other manufacturers. Ruiz filed suit against Chance in August of that ness relations, and breach of fiduciary duty of a declaratory judgment that its new underpin-ning system does not infringe Chance's patents and that the patents are invalid. Chance same year alleging various non-patent claims, including discrimination, breach of contract, tortious interference with contract and busifiled a counterclaim for patent infringement.

The validity question focuses on several prior art references. During the late 1980s, Richors for underpinning existing structural chard Fuller and Stan Rupiper used screw an-

"Fuller-Rupiper method"), ''Gregoriy's ning structural foundations using a push pier foundations. Fuller and Rupiper usedia com claim an apparatus and system for underping to the push pier, which is driven into the crete haunch, not a metal bracket,-to transfer and a metal bracket. In the Gregory system, the metal bracket transfers the foundation, load support. The push pier relies on soil frictionitor he load of the foundation to the screw and the supply that support. Figure 6 of the 4580 ground to supply the necessary foundational patent shows this technology... Patent Nos. 4,911,580 and 4,76



pear in this court's opinion in Ruiz vi Airbis. Chance Co., 234 F.3d 654 [57 USPQ2d 1161] Anchorage 27 and the The scope of the claims in this case is not (Fed. Cir. 2000). Examination of the prior arts dation. Additional information concerning the claims and the other aspects of this case apt Action by the state agree that the claims are infringed or linval tion with a metal bracket to underpin a four dated by the use of a screw anchor in conjun at issue in this appeal, because the part

tion to combine those teachings, as well as shows that the Fuller-Rupiper method disclaims; the Gregory system discloses the closes the screw anchor component of the this appeal is properly focused on the motivaally secondary considerations that might in-form the obviousness analysis. metal bracket component in the claims. Thus,

"The district court granted summary judgvalidity. At the time of trial, the scope of the ofathe: 107 patent. After the trial, the district court entered its judgment from the bench that Ruiz's product infringes the patent claims to are invalid under 35 U.S.C. § 103 in light of ment in favor of Chance on all of Ruiz's nonpatent claims in April 1999. On the patent claims, the district court held a Markman hearing; to' construe the claims and a bench trial to decide the issues of infringement and case had narrowed to focus on claims 1-4 and 68.06 the '368 patent and claims 1-4 and 6-8 the tune of \$540,000 in damages. Nonetheless; the trial court determined that the claims the Gregory patents and the Fuller-Rupiper Fahis court heard the appeal from that judgment and affirmed every holding of the district Ruiz, 234 F.3d at 660, this court remanded the case to the district court for further examination of obviousness. This court issued the folcourt except the finding of obviousness. owing instructions:

Priesson, suggestion, or motivation present in by on remand, we instruct the district court to Almake specific Graham findings on: 1) the the prior art, in the knowledge of one of kill in the art, or in the problem of foundation settling which clearly and particularly would lead one of ordinary skill in the art brackets; 2) the level of ordinary skill in the art; and 3) whether, and to what extent, evidence of secondary consideration, such as crisolyed need, failure of others, copying, and to combine screw anchors with metal unexpected results, is probative in the obvinncommercial success, long felt but unreciousness analysis.

in the Carelana

traffile district court invited additional briefing ing reconsidered the evidence of the case, the district court again found the relevant claims ining its factual findings according to this iivalid as obvious and issued an opinion outcourt's instructions. Of particular significance, and oral argument on the remand issues. Havthe district court found the motivation to combine the teachings of the Gregory patents and

the Fuller-Rupiper method in the nature of the problem of underpinning foundations itself, explaining:

placing the concrete haunch of the Rupiper patent can be combined in either of two ways to reach the same result as the method patent, or by replacing the straight piling of the Rupiper method. The evidence in this tions. . . . The problem is the same: how to The Rupiper method and the Gregory covered by the patents in issue here: by remethod with the bracket of the Gregory the Gregory patent with the screw anchor of case showed that there was reason, suggestion or motivation to make these combinaunderpin an unstable foundation of an existing building.

attributed Chance's commercial success to its The district court also discounted Chance's Specifically, the district court found that the alleged skepticism of Chance's system by Rupiper was merely an acknowledgement that Rupiper's concrete haunch worked better than a metal bracket in seismic areas, such as California. The record indeed does not show that Rupiper doubted that Chance's system would background and experience in screw anchors proffered objective evidence of commercial success and skepticism of experts as weak work in general. In addition, the district court rather than any inventive features of the screw anchor-metal bracket system as a whole.

Chance now appeals again, arguing that the in finding an implied motivation to combine cifically, this appeal involves two challenges tion: 1) whether the district court clearly erred the prior art teachings in the nature of the and 2) whether the district court clearly erred district court, as it did in its original judgment, employed hindsight to find obviousness. Speto the district court's obviousness determinaproblem of underpinning existing foundations, in discounting Chance's evidence of secondary considerations. Jurisdiction over this appeal is proper under 28 U.S.C. § 1295

Section 103 of title 35 of the United States

to be patented and the prior art are such that made to a person having ordinary skill in A patent may not be obtained . . . if the differences between the subject matter sought the subject matter as a whole would have been obvious at the time the invention was he art to which said subject matter pertains. Motorvac Technologies Inc. v. Norco Industries Inc.

PZÓJSÚVOS

section 103 specifically requires consideration ing principles or features. Envil. Designs, Ltd. v. Union Oil Co., 713 F.2d 693, 698 [218 USPQ 865] (Fed. Cir. 1983) (noting that "virelements."). The "as a whole" instruction in of the claimed invention "as a whole." Invenan invention into its component parts (A + B + C), then find a prior art reference containing soning, using the invention as a roadmap to In making the assessment of differences, tually all [inventions] are combinations of old title 35 prevents evaluation of the invention part by part. Without this important requirement, an obviousness assessment might break A, another containing B, and another containing C, and on that basis alone declare the infind its prior art components, would discount tures or principles in a new way to achieve a tions typically are new combinations of exist vention obvious. This form of hindsight reathe value of combining various existing feanew result - often the very definition of inven-

requiring assessment of the invention as a whole. This court has provided further assurproblems as the inventor and with no knowl-Section 103 precludes this hindsight discounting of the value of new combinations by ance of an "as a whole" assessment of the invention under § 103 by requiring a showing hat an artisan of ordinary skill in the art at the time of invention, confronted by the same edge of the claimed invention, would select the various elements from the prior art and combine them in the claimed manner. In other words, the examiner or court must show some tself, to make the new combination. See In re Rouffet, 149 F.3d 1350, 1355-56 [47 USPQ2d suggestion or motivation, before the invention [453] (Fed. Cir. 1998).

court reviews for clear error following a While the ultimate determination of obviousness is a legal conclusion reviewed by this ways entails various factual findings that this dard permits reversal only when this court is Clark, Inc., 163 F.3d 1326, 1332 [49 USPQ2d oench trial. See Weatherchem Corp. v. J.L. 1001] (Fed. Cir. 1998). The clear error staneft with a "definite and firm conviction" that the district court was in error. Amhil Enters. 1d. v. Wawa, Inc., 81 F.3d 1554, 1562 [38 court without deference, that determination al USPQ2d 1471] (Fed. Cir. 1996).

ing factual determinations in its obviousness analysis. Accordingly, this court will review This case deals with a challenge to the district court's conclusion on two of the underly-

Wang, 202 F.3d 1340, 1348 [53, USPQ24] he teachings in the prior art references, was shown, see Winner Int'l Royalty Corpus 1996), and whether a motivation to combine for clear error the district court's conclusions regarding objective, secondary consideration see Pro-Mold v. Great Lakes Plastics, 75,1 568, 1572 [37 USPQ2d 1626] (Fed.) 580] (Fed. Cir. 2000).

tivation to combine the teachings in the Great The district court in this case presided over gory patents with the Fuller-Rupiper methodsy district courts about the risk of hindsightered tively simple technology. See McGinleysion Franklin Sports, Inc., 262 F.3d:1339;13511f60 Chance argues that the district court utilizeds a bench trial and reconsidered the evidence of the district court clearly erred in finding almost Chance cites this court's precedent that warms construction to find an invention obvious where the invention at issue involves relati USPQ2d 1001] (Fed. Cir. 2001). Accordingly hindsight to find that a person of ordinary skills would have been motivated to combine ther remand. Chance's principal argument is that prior art teachings.

of obviousness. Stated differently, this courts [1] To the contrary, the record in this case court indeed warns against employing hinds warning does not provide a rule of law that and supports the trial court's findings. While this appear in prior art references before, a, finding express, written motivation to combine must sight, its counsel is just that - a warning of That has consistently stated that a court or examiner may find a motivation to combine pri [685] (Fed. Cir. 1996). This form of motive 282 F.3d 1340, 1346-47 (Fed. Cir. 2002) M Huang, 100 F.3d 135, 139 n.5 [40 ÜSPQ art references in the nature of the problem be solved. See Pro-Mold, 75 F.3d, at 15. evant with simpler mechanical technologie tion to combine evidence is particularly Display Techs., Inc. v. Paul Flum Idea

cisely the same problem of underpinning ex bine because the two references addressipie shows that Rupiper introduced Chance to, the sis, but properly found a motivation to com oundations. Chance then added animeta finding that Fuller's and Rupiper's wo isting structural foundations. Moregyer, did not use hindsight in its obviousness'ana record supports the district count's, facing [2] This record shows that the district of straight push piers. In fact, the evider showed that screw anchors worked better t use of screw anchors in underpinning build bracket to the screw anchor.

到旗e/record also supports the district court's animetal bracket to connect a foundation to a straight pier, and testimony at trial showed that the need for a connecting element was widely known. Thus, the district court could phopeily conclude on this record, without beción in the Fuller-Rupiper method with the clearly in error, that a person of ordinary tion underpinning system requires a means of connecting the foundation to the load-bearing member. The Gregory patents teach the use of skill, Whild be led to combine the screw anconolusion that artisans knew that a founda pin an existing building foundation.

in fatal to the district court's obviousness de-termination. As noted earlier, this court has re-peticily, stated that the motivation to combine suit the references and apply their teachings definition of the control of the con thins, record, it is true, does not feature an the teachings in the prior art may "come from the mature of a problem to be solved, leading still solutions to that problem." Pro-Mold; 75 F30 at 1573: The district court in this case apdess the narrow problem of underpinning ex-liting building foundations, a person seeking to solve that exact same problem would contogether. Thus the district court's conclusion is express written teaching in the art to make this combination. On this record, however, that is plied that settled law. The district court, sitting found that; because the prior art references adinventors to look to references relating to posas a finder of fact, weighed the evidence and perfectly legitimate when the evidence supports it; as it does here.

nation: The district court declined to credit with Jones' testimony because he exhibited far clusion: For instance, the trial court dismissed than its lown alternative view of the evidence. While the record does contain some evidence addition; the district court in this case did not simply discount all contrary evidence and bolimonysthat actually supported its ultimate conthe lestimony of Robert Jones, a Chance distributor, that he would have made the combimore than an ordinary level of skill in this art. The trial court's careful consideration of Mr. lones' evidence shows further that it performed a detailed and reasoned analysis of the evidence, rather than a conclusion-oriented against the district court's finding, such evidence is not overwhelming by any means. In preformed conclusion. In fact, the district court discounted and discredited some testidiscussion that typically accompanies a hindsterialmeager amount of evidence to reach

sight analysis. In short, the record in this case does not approach the evidence necessary to leave this court with a firm conviction that the tual finding of a motivation to combine the district court committed clear error in its fac-Fuller-Rupiper and Gregory teachings.

bined with being the first large screw anchor Finally, the record also supports the district court's discounting of Chance's evidence of secondary considerations. The record supports the trial court's finding that any commercial success was not due to Chance's alleged combination, but rather due to Chance's experience with screw anchors commanufacturer to enter the underpinning market. The district court did not clearly err in reaching this conclusion, nor in concluding that the evidence of skepticism was weak. unidae

ations. Accordingly, this court affirms the Based on the above analysis, this court holds that the district court did not clearly err in finding a motivation to combine the prior art references in the nature of the problem at issue. In addition, this court holds that the district court did not clearly err in discounting Chance's evidence of secondary considerjudgment of the district court.

COSTS

Each party shall bear its own costs.

AFFIRMED

Motorvac Technologies Inc. v. Norco Industries Inc.

No. SACV 02-503 DOC (ANx) Central District of California Decided January 12, 2004 U.S. District Court

PATENTS

[1] Infringement — Defenses — Estoppel; laches (§ 120.1103)

laches has not provided affirmative evidence Accused infringer moving for summary judgment that infringement claim is barred by that patentee's delay of three and one-half years in filing suit was unreasonable, since since, in undertaking reexamination of its such delay is not excessive on its face,

Court of Appeals, Federal Circuit

In re Fritch

No. 91-1318

Decided August 11, 1992

AND PRACTICE OCEDURE DICIAL

Procedure - Judicial review - Standard of review - Patents (§410.4607.09)

med invention and prior art, which are bviousness determination is based on unconcerning iewed for clear error on appeal, but ultite conclusion of obviousness is reviewed inquiries factual natter of law.

TENTS

Patent construction — Claims — Broad or narrow (§125.1303)

ce patent's express teaching that trench is Prior art patent for grass edging and tering device cannot be held to teach that ice is flexible and conformable to ground ts entirety, since base portion of device uld inhibit longitudinal flexibility, and essary to install device in harder ground ludes prominent anchoring leg which ws that it is not freely conformable

Relevant prior art - Particular inven-Patentability/Validity — Obviousness tions (§115.0903.03)

Patentability/Validity — Obviousness Combining references (§115.0905)

prima facie obvious in view of combined ice, and since secondary reference does merely by virtue of flexibility of device Claims for landscape edging device are chings of two prior patents, since primary ions which would bring primary reference erence does not suggest overall flexibility l landscape retention function of claimed cribed therein, suggest extensive modifio conformity with application claims.

Patentability/Validity - Obviousness -Combining references (§115.0905)

Mere fact that prior art may be modified reflect features of claimed invention does make modification, and hence claimed imed invention cannot be used as instrucchings of prior art so that claimed invenention, obvious unless desirability of such dification is suggested by prior art; n manual or "template" to piece together n is rendered obvious.

Appeal from the U.S. Patent and Trademark Office, Board of Patent Appeals and interferences.

Patent application of John R. Fritch (serial no. 06/838,721, landscape apparatus and method). From decision upholding rejection of application claims 1-7, 9-24, 29 and 30, applicant appeals. Reversed.

John R. Fritch, Corpus Christi, Texas, on Charles L. Gholz, of Oblon, Spivak, McClelland, Maier & Neustadt, Arlington, Va. brief), for appellant. fameson Lee, associate solicitor (Fred E. Richard E. Schafer, of counsel), for McKelvey, solicitor, with him on brief; appellee. Before Smith, senior circuit judge, and Plager and Rader, circuit judges.

Smith, J.

John R., Fritch (Fritch) appeals the 27 February 1991 decision of the Patent and Trademark Office Board of Patent Appeals Landscape. Edging Apparatus and Method. The Examiner, concluded that Fritch's ordinary skill in the art and was, therefore unpatentable under 35 U.S.C. § 103. The and Interferences (Board) affirming-in-part the Examiner's final rejection of the remaining claims in Fritch's application, entitled invention would have been obvious to one of Board, except for allowing claim 28, agreed The Board's decision is reversed.

. s. Issue

drix rendered the subject matter of Fritch's independent claims 1, 13, 24, and 29 obvious The issue is whether the Board erred in affirming the Examiner's determination that the prior art references of Wilson and Hento one of ordinary skill in the art. . g.,

Background ...

the rejection as to claims. 1-24, 29 and 30, entered a new ground of rejection for claim 27, and reversed as to claim 28. The Board of the Wilson and Hendrix patents rendered ed claims 1-24 and 27-30 of Fritch's applica-tion as unpatentable for obviousness under 35 U.S.C. § 103. Fritch appealed the final rejection to the Board. The Board affirmed agreed with the Examiner that the teachings in his final rejection, the Examiner reject-

The second secon

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23 USPQ2d

In re Fritch

in the art. Fritch does not appeal the Board's argument withdrew the appeal as to claim 8. The claims remaining in this appeal are 1.7, 13, 24, and 29 obvious to one of ordinary skill disposition as to claims 27 and 28, and at oral the subject matter of independent claims 1

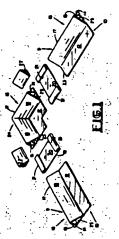
The Fritch Invention

The invention claimed by Fritch involves a landscape edging, device which includes a ing retainer portion. The base portion is elongate, thin; flexible and has a planar planar base portion and an upwardly extendbottom surface conformable to a varying slope ground surface. One longitudinal edge of the base portion serves as a mowing strip fused) to the base portion and defines, a ongitudinally extending enclosed space. The Fritch invention is intended to be used as a retainer for landscape fill in order to sepaand the other serves as a retaining flange for landscape fill. The upwardly extending rerate unmowable landscape fill from the mowable lawn. It may also be used to secure a landscaping sheet to the ground, or to Independent claims 1 and 13 on appeal are Pal: A landscape edging strip formed in its function as guards at the base of a fence. representative of the subject matter claimed: varying slope, comprising a continuous tainer portion is integrally connected (e.g. clongate, thin gauge, flexible base portion entirety of a thin gauge, flexible material and conformable to a ground surface of having a planar bottom surface conformable to said varying slope ground surface; à thin gauge, elongate retainer portion integral with said base portion and extending upwardly therefrom and transversely thereover to overlie a portion of said base portion; all of said retainer portion defining a longitudinally extending enclosed 'space; said retainer portion being integralone longitudinal edge of said base portion to define a mowing strip adjacent the B. Iy connected to said base portion adjacent other longitudinal edge of said base

2713. A landscape edging strip formed in its varying slope, comprising a continuous elongate, thin gauge, flexible base portion - having a planar bottom surface conformentirety from thin gauge, flexible material and conformable to a ground surface of e sale to said varying slope ground surface.

versely thereover to overlie a portion of tending upwardly therefrom and transintegral with said base port ion and exsaid base portion; all of said retainer portion defining a longitudinally extending enclosed space; said retainer portion being integrally connected to said base portion at a transverse location between the longitudinal edges of said base portion, thereby defining a Jongitudinally extending retaining flange on one side of said retainer portion and a mowing strip on the other side of said retainer portion.

The critical language in Fritch's independent claims is that the device is to be, in its entirety, both flexible and "conformable to a ground surface of varying slope". These limiambles, "are necessary to give meaning to the claim[s] and properly define the inven-tion." Figure 1 from Fritch's drawings is tations, although located in the claims' prereproduced below:



a. The Wilson Patent The Prior Art.

Examiner and the Board is entitled "Grass The Wilson patent relied upon by the The embodiment of the Wilson device includes a scored flange which may be broken off when not needed or wanted. Between the mowing substantially flat mowing strip extending body portion. Opposite the mowing strip is a horizontally from a longitudinally extending strip and the flange, and extending vertically Located above the anchoring leg is the body sprinkler head assembly. The device is intended to be used adjacent to the borders of from the body portion is an anchoring leg. portion which contains a water conduit and walks and plant beds. Figures 1 and 4 from Wilson's drawings are reproduced below: Edging and Watering Device"

² Perkin Elmer Corp. v. Computervision Corp., 732 F.2d 888, 896, 221 USPO 669, 675 ² Perkin

In the final office action dated October 31, 2006, the Examiner sets forth two grounds for rejection.

First, the Examiner rejects Claims 38-44 under 35 U.S.C. § 112 as being indefinite.

Secondly, the Examiner rejects Claims 38-44 under 35 U.S.C. § 103(a) as being unpatentable over Shaw et al. (U.S. Patent 4,650,484) in view of Stanley et al. (U.S. Patent 4,885,173), Fung et al. (U.S. Patent 5,278,192) and Ragauskas et al. (U.S. 5,388,583).

IV. <u>STATUS OF AMENDMENTS</u>

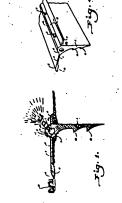
There were no amendments filed after the final rejection dated October 31, 2006.

V. SUMMARY OF CLAIMED SUBJECT MATTER

The invention of Claim 38 is a titration system for treating a disease caused by insufficient cerebral perfusion. The system employs a flow measuring device to test for cerebral vasospasms (page 4, lines 17-19), a dosage device that administers a vasospasm reducing dosage of a particular medicine with the dosage device being adjustable over time to titrate the dosage either upwards or downwards or substitute another medicine to minimize severity of the vasospasm (page 7, lines 26-31).

The invention of Claim 39, incorporating all of the limitations of Claim 38, identifies the flow measuring device comprising transcranial Doppler measuring means (page 3, lines 2-4 and Fig. 1).

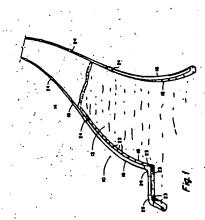
The invention of Claim 40, incorporating all of the limitations of Claim 38,



b. The Hendrix Patent

solicitor overstates the Board's position. The 3oard based its decision upon "a collective The Hendrix patent is entitled "Loose Material Retainer Strip". The Solicitor hose not to discuss the Hendrix reference in is brief, stating that the Board had deemed fendrix unnecessary to its decision. The valuation of the Wilson and Hendrix patints". We include Hendrix in our discussion because it did play a role in the rejection of ritch's independent claims.

The Hendrix device is composed of elongated, flexible strips having substantially ours, and the top lip will yield laterally to ways. Figure 1 of Hendrix's drawings is levice is to be wider than the top lip in order to facilitate fastening the device to the ground. The device will fit most gentle constrip is installed such that it faces the materislates that the retainer will be used in retain-C-shaped cross-section. The bottom lip of the edistributed. The concave portion of the il to be retained in place. Hendrix contemng gravel in driveways, lining flower beds, or on the shoulders of asphalt or concrete higheproduced below:



Standard of Review

[1] "[O]bviousness is a question of law to are reviewed for clear error.6 However, it is be determined from the facts." The obviousness determination "is based upon underfactual inquiries concerning the claimed invention and the prior art" which the Federal Circuit reviews as a matter of the ultimate conclusion of obviousness which ying law.

Teachings of Wilson

use of Wilson in view of other references to the Wilson patent. The Examiner's rejection declare the Fritch invention obvious. The Board states that it agrees with the Examin-Fritch takes exception to the Examiner's findings of fact related to the teachings of and the Board's opinion rely heavily on the er's finding of fact regarding the teachings of Wilson. In the Examiner's answer, which the Board quotes, the Wilson device is described as follows:

Wilson discloses a landscaping edging elongated flexible base portion including a mower strip B having a planar bottom surface conformable to a varying slope strip comprising a relatively thin gauge surface.

the Wilson device as teaching that it is flexi-ble and conformable in its entirety. This presents "substantial evidence that Wilson is both thin and flexible." The Board regards The Board states that the Wilson reference

finding demonstrates clear error.
[2] It is well settled that a prior art reference is relevant for all that it teaches to those tion of Wilson is not planar in its entirety, as cludes a prominent anchoring leg to secure of ordinary skill in the art. The base porthe Board's opinion suggests, but also inthe device to the ground. The anchoring leg, would inhibit longitudinal flexibility of the templates flexibility and conformability only in the mower strip. Wilson states that its mower strip may be lifted in order to pack dirt thereunder for the purpose of securing the device to the ground. Fritch, on the other Wilson device. Indeed, Wilson expressly conwhich runs the length of the Wilson device hand, is claimed to be flexible in its entirety JIn re De Blauwe, 736 F.2d 699, 703, 222 USPQ 191, 195 (Fed. Cir. 1984).

In re Kulling, 897 F.2d 1147, 1149, 14 USPQ2d 1056, 1057 (Fed. Cir. 1990).

Jin re De Blauwe, 736 F.2d at 703, 222 USPQ at 195. dukter AB, 892 F.2d 1547, 1551, 13 USPQ2d ۲. *Beckman, Instruments Inc.

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23 USPO2d

The Board's holding that Wilson is flexible in its entirety is based upon a misapprehension of the scope of Wilson's teachings.

Second, Wilson's anchoring leg prohibits conformability to the ground surface in the manner claimed by Fritch. The Examiner's it must be placed into the ground. Wilson bottom surface conformable to a varying slope surface" is applicable only in reference expressly teaches that the anchoring leg may description of Wilson as having a "planar to the mower strip. This description, however, ignores the anchor leg and the fact that be pushed into soft soils, but in harder terrain a trench is needed in order to place the Wilson sprinkler system. In order to install the Wilson apparatus, the ground surface must be altered to conform to the device rather than, as the Solicitor contends, that Fritch, on the other hand, does not require such extensive alteration of the ground sur-Wilson is freely conformable to the ground. face in order to install the device.

Prima Facie Obviousness

and Irademark Office, the Examiner bears the burden of establishing a prima facie case of "[The Examiner] can satisfy this burden only by showing some objective teaching in the prior art or that knowledge generally available to one of ordinary skill in the art obviousness based upon the prior art.9 would lead that individual to combine the relevant teachings of the references." 10 The erly made out, or the applicant may present objective evidence tending to support a condition of analysismenses? patent applicant may then attack the Examiner's prima facie determination as improp-In proceedings before the Patent clúsion of nonobviousness.

Fritch has attacked the Board's finding that the Examiner established that Fritch's claimed invention was prima facie obvious in view of the teachings of the prior art. The Board states that "a collective evaluation of the Wilson and the Hendrix patents would pendent claims 1, 13, 24, and 29 obvious to one of ordinary skill." Fritch maintains that have rendered the subject matter of indethere is no teaching, suggestion, or incentive in the prior art to modify or to combine the

teachings of the prior art in the manner suggested by the Examiner. We agree.

leg for securing the device to the ground. Wilson contemplates that a trench will need tering device which includes an anchoring to be dug in order to allow the anchoring leg of the soil requires it. This anchoring leg 3] Wilson teaches a grass edging and wato be placed into the ground if the condition formability in Wilson, which the Board states extends to the entire device, is limited to the mower strip. It is only the mower strip that is mentioned as being flexible in order to aid installation. Hendrix has been cited for its teaching of a flexible retainer strip that is prohibits flexibility and conformability over the length of Wilson. Any flexibility or conable to conform to the ground surface.

this would arguably result in clogged sprinkler heads.¹² Wilson also teaches that its mower strip is flexible in order to allow dirt to be packed thereunder. There is no sugges-Wilson addresses the problems of arresting plants without wetting sidewalks. Wilson lacks any suggestion or incentive to use its tion in Wilson to extend that flexibility to the entire device. Wilson also lacks any teaching or suggestion that one should remove the anchoring leg. Hendrix does not, simply by virtue of its flexible nature, suggest these ing growth of grass between areas and waterwater conduit as a landscape retainer since extensive changes which the Board states are obvious. Neither Wilson nor Hendrix, alone or in combination, provide any incentive to combine the teachings of the prior art in the manner maintained by the Board.

combining the teachings of the prior art to produce the claimed invention, absent some nation. Under section 103, teachings of references can be combined only if there is some suggestion or incentive to do so." 13 [4] "Obviousness cannot be established by teaching or suggestion supporting the combi-Although couched in terms of combining teachings found in the prior art, the same a purported obvious "modification" of the prior art. The mere fact that the prior art may be modified in the manner suggested by inquiry must be carried out in the context of the Examiner does not make the modificalion obvious unless the prior art suggested

[&]quot;This court has previously found a proposed modification inappropriate for an obviousness inquiry when the modification rendered the prior art reference inoperable for its intended purpose. In re Gordon, 733 F.2d 900, 902, 221 USPQ 1125, 1127 (Fed. Cir. 1984). * In re Piasecki, 745 F.2d 1468, 1471-72, 223 USPQ 785, 787-88 (Fed. Cir. 1984). In re Fine, 837 F.2d 1071, 1074, 5 USPQ2d -1356, 1598 (Fed. Cir. 1988) (citing In re Lalu, 747 F.2d 703, 705, 223 USPQ 1257, 1258 (Fed. Cir. 1988)). 377 (1 Cir. 1988)). 377 (1 Cir. 1988). 377 (1 Cir. 167 USPO)

TRADEMARKS AND UNFAIR TRADE **PRACTICES** and nemark the to suggest any motivation for, or desirability of, the changes espoused by the Examiner and endorsed by the Board. 1. Acquisition, assignment, and maintenance

of marks - Acquisition through use -

Priority of use (§305.0503)

ceedings - Opposition and cancellation Practice and procedure in Patent and

- In general (§325.0305.01)

Likelihood of confusion — In general

 $(\S335.0301)$

Infringement; conflicts between marks _

Opposer which uses mark "Rescue: 911" for its television show, which asserts that it has licensed use of mark on various merchan-

frademark Office - Interpartes pro-

Here, the Examiner relied upon hindsight to arrive at the determination of obviousness. It is impermissible to use the claimed invento piece together the teachings of the prior art so that the claimed invention is rendered obvious.15 This court has previously stated that "[o]ne cannot use hindsight reconstrucclosures in the prior art to deprecate the tion to pick and choose among isolated distion as an instruction manual or "template" claimed invention." 16

Conclusion

The decision of the Board affirming the Examiner's rejection of independent claims 1, 13, 24, and 29 of Fritch's application as unpatentable over the prior art under 35 U.S.C. § 103 is reversed. Since dependent claims are nonobvious if the independent claims from which they depend are nonobvious, the Board's affirmance of the rejection of dependent claims 2-7, 9-12, 14-23, and 30 is also reversed."

REVERSED

Trademark Trial and Appeal Board U.S. Patent and Trademark Office

CBS Inc. v. Mercandante

Nos. 85,324 and 85,330 Decided June 15, 1992 " In re Gordon, 733 F.2d at 902, 221 USPO

¹⁵ In re Gorman, 933 F.2d 982, 987, 18 USPQ2d 1885, 1888 (Fed. Cir. 1991). See also Interconnect Planning Corp. v. Feil, 774 F.2d 1132, 1138, 227 USPQ 543, 547 (Fed. Cir.

in re Fine, 837 F.2d at 1075, 5 USPO2d at

1600 (citing Harness Int'l, Inc. v. Simplimatic Eng's Co., 819 F.2d 1100, 1108, 2 USPQ2d 1826, 1831 (Fed. Cir. 1987)). See also In re Sernaker, 702 F.2d 989, 991, 217 USPQ 1, 3 " In re Fine, 837 F.2d at 1076, 5 USPQ2d at (Fed. Cir. 1983) (when argued together, dependent claims stand or fall with the independent claims from which they depend).

tration of "911 Rescue Bars," for candy bars, must clearly indicate in its pleading dise items, and which seeks to oppose regiswhether its claim of likelihood of confusion is based upon its services or its collateral merchandise, or both, and whether it claims priority of use of its mark on its collateral merchandise.

James V. Mercandante and Rose Marie Mercandante, d/b/a 911 Rescue Bar, appli-cations serial no. 74/076,762, filed July 9, 1990, and 74/081,873, filed July 25, 1990, in Consolidated trademark oppositions no. 85,324 and 85,330, by CBS Inc. against which applicants counterclaim to cancel opposer's pleaded registration. On opposer's and on applicant's motions to strike opposmotion to amend its answer to counterclaim er's affirmative defenses, and for judgmen on the pleadings. Motion for judgment pleadings granted in part.

Marshall J. Nelson, Washington, D.C., for

By the board.

James V. Mercandante and Rose Manie Mercandante filed applications, to register

David S. Fishman, Windsor, Conn. applicants.

opposer.

Before Sams, Rice, and Quinn, members 13 1.45,1655

Ruiz v. A.B. Chance Co.

action in the Trademark Office because of the result in this case, then defendant needs to in the record. The district court denied AEF's If defendant believes that the plaintiffs should be prohibited from pursuing the Opposition the opposition, although EL's statement is not request and held that "[t]he issue of estoppel is before the Trademark tribunal not this court make that argument to the Trademark Office.'

the first time in its motion for reconsiderations AEF failed to raise the argument as a counter claim to the infringement action. Hence, (act cording to the procedural posture of the case and by AEF's own admissions, its argument for dismissal is not based on the merits buyon.

district court because AEF raised the issuesfor

Further, the prospect of dismissal of the PTO opposition was not properly before the

> action involving a registered mark the court the cancelation of registrations, in whole or in wise rectify the register with respect to the registrations of any party to the action." AEF The Second Circuit affirmed the district court's order directing the PTO to dismiss the plaintiff's opposition and grant the concurrent registration of defendant's mark, Id. at 614-16. This case is factually distinguishable from sue are not the same. The issue in this case [3] AEF says that district courts are given ing the trademark registration process under 15 U.S.C. § 1119, which states that "[i]n any part, restore canceled registrations, and othercites Avon Shoe Co. v. David Crystal, Inc., 279 F.2d 607, 609 [125 USPQ 607] (2d Cir. 1960), which involved a dispute over the plaintiff's use of the "Haymakers" mark and the defendant's use of the "Haymaker" mark. Avon Shoe, however, because the marks at ismay determine the right to registration, order clear statutory authority over actions regard-

III. CONCLUSION 111 ISSINGE

was reasonable and not an abuse of discret

action in this case, the district court's deci

failure to reach the merits of the unde

the PTO's expertise and the district

The district court adequately articulated

abuse its discretion by refusing to dismiss pending trademark opposition of recursification of the recursion Accordingly, the district court's decision reasons for denying attorney's fees and co in its discretion denied AEF's request for tomey's fees. The district court also did tional" cases under 15 U.S.C. § [117(a) applied the correct legal standard for AFFIRMED volve AEF's rights in the "American Eagles Records" mark. While the district court may § 1119 to order the PTO to take action, it did luted EL's "Eagles" mark; the case did not inhave had general authority under 15 U.S.C. was whether AEF's activities infringed or di-

Ruiz v. A.B. Chance Co. o select among

Reduce Danser-Bar

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Service Constitution

U.S. Court of Appeals solo, banging Federal Circuit ... 115 1600 18

No. 03-1333

USPQ 496] (6th Cir. 1973) (directing the PTO

to issue a concurrent registration to the defendant with limitations); Durox Co. v. Duron Paint Mfg. Co., 320 F.2d 882, 883, 885-86

ing a mark that was not properly before it. See Old Dutch Foods, Inc. v. Dan Dee Pretzel & Potato Chip Co., 477 F.2d 150, 157 [177

not have the authority to decide issues regard-

Decided January 29, 2004 Print a filter me Tree

THE CONTROL OF

PATENTS

138 USPO 353] (4th Cir. 1963) (directing the PTO to issue a registration for the plaintiff's mark after the plaintiff properly raised the issue of validity in the complaint); Massa v. liffy Prods. Co., 240 F.2d 702, 704, 707 [112

[1] Patentability/Validity — Obviousness - Combining references (\$.115.0905)

improper "hindsight" determination, bue find !! Obviousness analysis requires court to ast bine prior art references, without engagi前發耕 nf exnress. written motivation to combineum there was suggestion or motivation to ing of obviousness does not require existent sess invention as whole to determine whele

USPO 241] (9th Cir. 1957) (directing the PTO

to cancel the "Jiffy" mark for the plaintiff and award a registration for the same mark to the

court granted summary judgment for defen-

inglinventors to look to references relating to prior art; since motivation to combine may be found in nature of problem to be solved, leadpossible solutions to that problem.

[2] Patentability/Validity — Obviousness Rough - Combining references (§ 115.0905)

Transfer Patentability/Validity — Obviousness Par Commercial success (§ 115.0908)

an estoppel theory. As the district court core

rectly pointed out, estoppel issues are ordi

narily enforced by awaiting a second action,

which they are pleaded and proved

party asserting estoppel. The PTO, not the dis-

trict court, must determine the preclusive e

fect of EL's statements.

Even if the issue of estoppel was proj

before the district court, however, in lig

bearing member, and since record supports court's discounting of defendant's commercial of prior art that underpinning system requires method, and that it was widely known at time means of connecting foundation to loadevidence that prior artisans' work showed that push piers used in original metal bracket achieve invention of patents for method of dations, even though there was no express prior art, since each cited reference addresses exact same narrow problem of underpinning existing structural foundations, since there is screw anchors worked better than straight with metal brackets used in prior art patents to stabilizing or "underpinning" building founwritten motivation to combine references in Angederal district court did not clearly err in concluding that it would have been obvious to combine screw anchors of prior art method success as evidence of nonobviousness. evparticular patents - General and mechanical — Building stabilization

Odom, method of underpinning existing struc-5,139,368, Hamilton, Hoyt, Halferty, and tures using screw anchors, judgment of invalidity affirmed.

5,171,107, Hamilton, Hoyt, Halferty, and Odom, method of underpinning existing structures using screw anchors, judgment of invalidity, affirmed.

Appeal from the U.S. District Court for the

ing and rotates the screw anchor to bore be neath the footing. When resistance to rotatio of the screw anchor reaches a specified poin Chance attaches a metal bracket (designate as 30 in the Figure below) to the slouchin foundation to transfer the building load ont the screw anchor. The United States Pater and Trademark Office issued U.S. Patent No 5,139,368 and 5,171,107 to Chance in 199 covering this screw anchor system. Figure 5 the '107 patent shows the technology:

trict court again found claims invalid as obvithat patents were infringed, but that patent manded (57 USPQ2d 1161). On remand, disdant on nonpatent claims, and at trial found claims at issue were invalid for obviousness. Judgment of invalidity was vacated and re-

ous, and defendant appealed. Affirmed. Prior decision: 57 USPQ2d 1161.

John H. Quinn III and Andrew B. Mayfield, Matthew A. Rosenberg, of Blumenfeld, Kaplan & Sandweiss, St. Louis, Mo., for plaintiffs-appellees.

of Armstrong Teasdale, St. Louis, defendant-appellant.

Before Newman, Michel, and Rader, circuit

Rader, J.

Rader, J.

On remand from this court's decision on remand from this court for the fast of the sast of the sast of the sast of the sast of the fast o cerning the motivation to combine the prior District of Missouri found defendant-appellers A.B. Chance Company's (Chance) patened clear error in its factual determinations conart teachings and the merit of Chance's asserted secondary considerations, this court afunderpinning system obvious under 35 U.SE § 103. Because the district court made

tise in stabilizing slumping structures into the residential and commercial building markets and a transversely extending load-bearing Chance used screw anchors with a meta bracket to underpin these building founda transmission towers. Screw anchors are elongated shafts with an earth-boring (screw) tip member. In 1988, Chance extended its experplaces the screw anchor adjacent to the foot for use in supporting and stabilizing electrical Since about 1970, Chance has manufactured screw anchors, also called helical piers, tions. The Chance underpinning Cogrifor declaratory judgment that defendant's pagents are invalid and not infringed, and for leging infringement of its patents. District equitable estoppel, and tortious interference good faith and fair dealing, promissory and with contract and prospective business rela-Action by Richard Ruiz and Foundation Anchoring Systems Inc. against A.B. Chance discrimination pursuant to 42 U.S.C. § 1981, preach of contract, breach of implied duty of tions, in which defendant counterclaimed al-

Eastern District of Missouri, Perry, J.

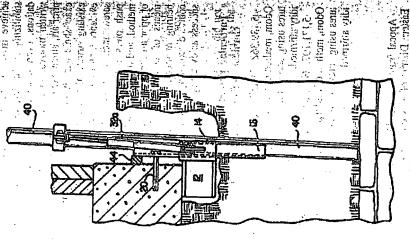
59 GSPO2d

Ruiz v. A.B. Chance Co.

Chance's underpinning system. During the Appellees Richard Ruiz and his company Foundation Anchoring Systems, Inc. (collecearly 1990s, Ruiz also formed various other anchoring companies and marketed systems hat competed with the Chance system. In tributorship. Thereafter, Ruiz began marketing an underpinning system with screw anchors good faith and fair dealing. Ruiz also filed for February 1997, Chance terminated Ruiz's disand metal brackets. This new system used components from other manufacturers. Ruiz filed suit against Chance in August of that ness relations, and breach of fiduciary duty of a declaratory judgment that its new underpinning system does not infringe Chance's patsame year alleging various non-patent claims, ents and that the patents are invalid. Chance including discrimination, breach of contract, tortious interference with contract and busifiled a counterclaim for patent infringement. "Ruiz") became distributors

prior art references. During the late 1980s, Ri-The validity question focuses on several chard Fuller and Stan Rupiper used screw anchors for underpinning existing structural

soundations. Fuller and Rupiper usedral con-"Fuller-Rupiper method"), ்பரேச்தீன்றித் to the push pier, which is driven into the support. The push pier relies on soil frictionities crete haunch, not a metal bracket, to transfer ning structural foundations using a push pier the load of the foundation to the screw?anchor claim an apparatus and system for underpinand a metal bracket. In the Gregory, system; the metal bracket transfers the foundation load supply that support. Figure 6 of the 3803 ground to supply the necessary foundational oatent shows this technology: अ ार क्षेत्रमा त Patent Nos. 4,911,580 and 4,76.



a vid gair others Action by his history. (O)

tion with a metal bracket to underpin a folinំ១ម The scope of the claims in this case is not dation. Additional information concerning கு pear in this court's opinion in Rulz Vi A語。 Chance Co., 234 F.3d 654 [57 USPQZd 116] at issue in this appeal, because the parties (Fed. Cir. 2000). Examination of the priorfart dated by the use of a screw anchor in conjume agree that the claims are infringed or inval claims and the other aspects of this case a

closes the screw anchor component of the chains; the Gregory system discloses the tion to combine those teachings, as well as shows that the Fuller-Rupiper method dismetal bracket component in the claims. Thus, this appeal is properly focused on the motivaany secondary considerations that might inform the obviousness analysis.

are, in Valid under 35 U.S.C. § 103 in light of ment in favor of Chance on all of Ruiz's nonclaims, the district court held a Markman hearingsto construe the claims and a bench trial to decide the issues of infringement and Walidity. At the time of trial, the scope of the 658, of the '368 patent and claims 1-4 and 6-8 court entered its judgment from the bench that Ruiz's product infringes the patent claims to essythertrial court determined that the claims W.The district court granted summary judgpatent claims in April 1999. On the patent casë;had,narrowed to focus on claims 1-4 and ofathe 1107 patent. After the trial, the district the Scregory patents and the Fuller-Rupiper the tune of \$540,000 in damages. Nonethe-

case; to the district court for further examination of obviousness. This court issued the fol-E.This court heard the appeal from that judgment and affirmed every holding of the district Ruiz; 234 F.3d at 660, this court remanded the court except the finding of obviousness. owing instructions: Son Femand, we instruct the district court to E-freezon, suggestion, or motivation present in the prior art, in the knowledge of one of thinke specific Graham findings on: 1) the skill in the art, or in the problem of founda-Gion settling which clearly and particularly brackets; 2) the level of ordinary skill in the would lead one of ordinary skill in the art combine screw anchors with metal art; and 3) whether, and to what extent, evidence of secondary consideration, such as croolyed need, failure of others, copying, and unexpected results, is probative in the obvinicommercial success, long felt but unrecousness analysis. The district court invited additional briefing ing reconsidered the evidence of the case, the district court again found the relevant claims invalid as obvious and issued an opinion outlining its factual findings according to this and oral argument on the remand issues. Havcourt's instructions. Of particular significance, the district court found the motivation to comoine the teachings of the Gregory patents and

the Fuller-Rupiper method in the nature of the problem of underpinning foundations itself, explaining:

patent can be combined in either of two the Rupiper method. The evidence in this ways to reach the same result as the method covered by the patents in issue here: by replacing the concrete haunch of the Rupiper method with the bracket of the Gregory patent, or by replacing the straight piling of the Gregory patent with the screw anchor of tions. . . . The problem is the same: how to The Rupiper method and the Gregory case showed that there was reason, suggestion or motivation to make these combinaunderpin an unstable foundation of an existing building.

The district court also discounted Chance's Rupiper's concrete haunch worked better than fornia. The record indeed does not show that Rupiper doubted that Chance's system would proffered objective evidence of commercial Specifically, the district court found that the a metal bracket in seismic areas, such as Caliwork in general. In addition, the district court attributed Chance's commercial success to its background and experience in screw anchors rather than any inventive features of the screw success and skepticism of experts as weak alleged skepticism of Chance's system by Rupiper was merely an acknowledgement that anchor-metal bracket system as a whole.

Chance now appeals again, arguing that the district court, as it did in its original judgment, cifically, this appeal involves two challenges to the district court's obviousness determinain finding an implied motivation to combine the prior art teachings in the nature of the and 2) whether the district court clearly erred tion: 1) whether the district court clearly erred in discounting Chance's evidence of secondemployed hindsight to find obviousness. Speproblem of underpinning existing foundations, ary considerations. Jurisdiction over this appeal is proper under 28 U.S.C. § 1295

Section 103 of title 35 of the United States Code states: A patent may not be obtained . . . if the difto be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in ferences between the subject matter sought he art to which said subject matter pertains. Motorvac Technologies Inc. v. Norco Industries Inc.

section 103 specifically requires consideration of the claimed invention "as a whole." Invening principles or features. Envil. Designs, Ltd. v. Union Oil Co., 713 F.2d 693, 698 [218 USPQ 865] (Fed. Cir. 1983) (noting that "virelements."). The "as a whole" instruction in In making the assessment of differences, tions typically are new combinations of existtually all [inventions] are combinations of old title 35 prevents evaluation of the invention ment, an obviousness assessment might break an invention into its component parts (A + B + C), then find a prior art reference containing soning, using the invention as a roadmap to tures or principles in a new way to achieve a part by part. Without this important require-A, another containing B, and another containing C, and on that basis alone declare the inthe value of combining various existing feavention obvious. This form of hindsight reafind its prior art components, would discount new result - often the very definition of inven-

requiring assessment of the invention as a Section 103 precludes this hindsight discounting of the value of new combinations by whole. This court has provided further assurance of an "as a whole" assessment of the invention under § 103 by requiring a showing that an artisan of ordinary skill in the art at the lime of invention, confronted by the same problems as the inventor and with no knowlcombine them in the claimed manner. In other edge of the claimed invention, would select the various elements from the prior art and words, the examiner or court must show some suggestion or motivation, before the invention itself, to make the new combination. See In re Rouffet, 149 F.3d 1350, 1355-56 [47 USPQ2d [453] (Fed. Cir. 1998).

While the ultimate determination of obviousness is a legal conclusion reviewed by this court without deference, that determination always entails various factual findings that this court reviews for clear error following a bench trial. See Weatherchem Corp. v. J.L. Clark, Inc., 163 F.3d 1326, 1332 [49 USPQ2d 1001] (Fed. Cir. 1998). The clear error standard permits reversal only when this court is left with a "definite and firm conviction" that the district court was in error. Amhil Enters. Ltd. v. Wawa, Inc., 81 F.3d 1554, 1562 [38 USPQ2d 1471] (Fed. Cir. 1996).

This case deals with a challenge to the district court's conclusion on two of the underlying factual determinations in its obviousness analysis. Accordingly, this court will review

for clear error the district court's conclusions regarding objective, secondary considerations, see Pro-Mold v. Great Lakes Plastics, 75 Fi34 1568, 1572 [37 USPQ2d 1626], (Fed. Giff) 1996), and whether a motivation to compligate the teachings in the prior art references, was shown, see Winner Int'l Royalty; Compress Wang, 202 F.3d 1340, 1348 [53, USPQ2d] 1580] (Fed. Cir. 2000).

tivation to combine the teachings in the Great district courts about the risk of hindsight real gory patents with the Fuller-Rupiper methodsy Chance cites this court's precedent that warms tively simple technology. See McGinieyild. Franklin Sports, Inc., 262 F.3d 1339; 13511f@. USPQ2d 1001] (Fed. Cir. 2001). Accordingly? The district court in this case presided over the district court clearly erred in finding aiment a bench trial and reconsidered the evidence of remand. Chance's principal argument is unated construction to find an invention obvious where the invention at issue involves relati Chance argues that the district courtibutilizeds hindsight to find that a person of ordinary skills would have been motivated to combine their THE WHITE prior art teachings.

[1] To the contrary, the record in this case supports the trial court's findings. While this court indeed warns against employing hinds appear in prior art references before, a finding of obviousness. Stated differently, this, court sight, its counsel is just that – a warning^{DJ}Tha express, written motivation to combine mil warning does not provide a rule of law that a has consistently stated that a court or exam iner may find a motivation to combine pr Huang, 100 F.3d 135, 139 n.5 [40 ÜSPQ art references in the nature of the problem be solved. See Pro-Mold, 75 F.3d, at 15. 1685] (Fed. Cir. 1996). This form of motive evant with simpler mechanical technologiës tion to combine evidence is particularly Display Techs., Inc. v. Paul Flum Idea 282 F.3d 1340, 1346-47 (Fed. Cir. 2002)

[2] This record shows that the district courted and not use hindsight in its obviousness analysis, but properly found a motivation to combine because the two references address/piperisely the same problem of underpinning existing structural foundations. Moreover, the record supports the district court's, faculating that Fuller's and Rupper's, work finding that Fuller's and Rupper's, work showed that screw anchors worked better light, straight push piers. In fact, the evidence shows that Rupper introduced Chance to the use of screw anchors in underpinning buildings foundations. Chance then added a metal.

giftierecord also supports the district court's conclusion that artisans knew that a foundation that artisans knew that a foundation that artisans a means of connecting the foundation to the load-bearing member. The Gregory patents teach the use of a metal bracket to connect a foundation to a straight pier, and testimony at trial showed that the need for a connecting element was widely known. Thus, the district court could properly conclude on this record, without being clearly in error, that a person of ordinary skill, would be led to combine the screw anchor in the Fuller-Rupiper method with the metal bracket in the Gregory system to underpulant skilling building foundation.

peatedly stated that the motivation to combine dess the harrow problem of underpinning ex-isting building foundations, a person seeking thring record, it is true, does not feature an express written teaching in the art to make this combination. On this record, however, that is not family to the district court's obviousness de-termination. As noted earlier, this court has rethe teachings in the prior art may "come from the hature of a problem to be solved, leading sible solutions to that problem." Pro-Mold; 75 P30 at 1573. The district court in this case apto solve that exact same problem would consult the references and apply their teachings together. Thus the district court's conclusion is pfied Har'settled law. The district court, sitting foundfillat, because the prior art references adperfectly legitimate when the evidence supas a finder of fact, weighed the evidence and inventors to look to references relating to posports it, as it does here.

While the record does contain some evidence addition, the district court in this case did not simply discount all contrary evidence and bol-starding age amount of evidence to reach a clusion! For instance, the trial court dismissed Mr.Jones' testimony because he exhibited far than its own alternative view of the evidence. dence is not overwhelming by any means. In preformed conclusion. In fact, the district monythat actually supported its ultimate conthe testimony of Robert Jones, a Chance distribitor, that he would have made the combimore than an ordinary level of skill in this art. The trial court's careful consideration of Mr. ones' evidence shows further that it perlogned a detailed and reasoned analysis of the evidence; rather than a conclusion-oriented discussion that typically accompanies a hindgainst the district court's finding, such evicourt discounted and discredited some testi-

sight analysis. In short, the record in this case does not approach the evidence necessary to leave this court with a firm conviction that the district court committed clear error in its factual finding of a motivation to combine the Fuller-Rupiper and Gregory teachings.

Finally, the record also supports the district court's discounting of Chance's evidence of secondary considerations. The record supports the trial court's finding that any commercial success was not due to Chance's alleged unique combination, but rather due to Chance's experience with screw anchors combined with being the first large screw anchor manufacturer to enter the underpinning market. The district court did not clearly err in reaching this conclusion, nor in concluding that the evidence of skepticism was weak.

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Based on the above analysis, this court holds that the district court did not clearly err in finding a motivation to combine the prior art references in the nature of the problem at issue. In addition, this court holds that the district court did not clearly err in discounting Chance's evidence of secondary considerations. Accordingly, this court affirms the judgment of the district court.

COSTS

Each party shall bear its own costs.

AFFIRMED

Motorvac Technologies Inc. v. Norco Industries Inc.

Tehance's argument amounts to little more

U.S. District Court Central District of California No. SACV 02-503 DOC (ANx) Decided January 12, 2004

PATENTS

[1] Infringement — Defenses — Estoppel; laches (§ 120.1103)

Accused infringer moving for summary judgment that infringement claim is barred by laches has not provided affirmative evidence that patentee's delay of three and one-half years in filing suit was unreasonable, since such delay is not excessive on its face, and since, in undertaking reexamination of its